

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/006849

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H01M4/88 H01M8/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/064593 A1 (DIEHL MANFRED ET AL) 30 May 2002 (2002-05-30) paragraph '0003! paragraph '0019! – paragraph '0032! paragraph '0055! paragraph '0062! – paragraph '0068! figure 3 claim 18 ----- -/-/	1-4, 6-13,15, 16,18-20

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

13 January 2005

Date of mailing of the international search report

24/01/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>JP 2001 160405 A (ASAHI GLASS CO LTD) 12 June 2001 (2001-06-12)</p> <p>paragraph '0001! paragraphs '0005! - '0008! paragraph '0010! paragraph '0013! paragraph '0014! paragraph '0019! paragraph '0020! paragraph '0024! paragraph '0025! paragraph '0027! paragraph '0029! - paragraph '0037! claims 1,4,5 -& PATENT ABSTRACTS OF JAPAN vol. 2000, no. 23, 10 February 2001 (2001-02-10) & JP 2001 160405 A (ASAHI GLASS CO LTD), 12 June 2001 (2001-06-12) abstract</p> <p>-----</p>	1-4, 6-14, 16-20
A	WO 03/036748 A (DU PONT ; O'BRIEN WILLIAM GEORGE (US)) 1 May 2003 (2003-05-01) the whole document	1-20
A	<p>PATENT ABSTRACTS OF JAPAN vol. 1995, no. 10, 30 November 1995 (1995-11-30) & JP 07 176317 A (SANYO ELECTRIC CO LTD), 14 July 1995 (1995-07-14) abstract</p> <p>-----</p>	1-20

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No PCT/EP2004/006849

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 2002064593	A1 30-05-2002	DE 10050467 A1		16-05-2002
		BR 0104520 A		21-05-2002
		CA 2358636 A1		12-04-2002
		EP 1198021 A2		17-04-2002
		JP 2002184425 A		28-06-2002
JP 2001160405	A 12-06-2001	NONE		
WO 03036748	A 01-05-2003	CA 2462566 A1		01-05-2003
		EP 1438762 A2		21-07-2004
		TW 577185 B		21-02-2004
		WO 03036748 A2		01-05-2003
		US 2004201122 A1		14-10-2004
JP 07176317	A 14-07-1995	NONE		